

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :
Franz GRUS et al. : **Mail Stop: PCT**
Serial No. NEW : Attorney Docket No. 2005-0532A
Filed April 15, 2005 :

DIAGNOSIS OF GLAUCOMA BY
COMPLEX AUTOANTIBODY
REPERTOIRES IN BODY FLUIDS :
[Corresponding to PCT/IB2003/004597
Filed October 16, 2003] : THE COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEE FOR THIS PAPER TO DEPOSIT
ACCOUNT NO. 23-0975.

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- each U.S. Patent and U.S. Patent application publication;
- each reference previously cited in the international application PCT/IB2003/004597; and/or
- each reference previously cited in prior parent application Serial No.

1a. This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

1b. This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

- (1) the certification of paragraph 2 below is provided, **or**
- (2) the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

the certification of paragraph 2 below is provided, and

the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

2. It is hereby certified

- a. that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
- b. that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.
4. For each non-English language reference, if any, listed on the attached form PTO-1449, reference is made to:
 - a. a full or partial English language translation submitted herewith,
 - b. a foreign patent office search report (International Search Report) (in the English language) submitted herewith,
 - c. the concise explanation contained in the specification of the present application at page,
 - d. the concise explanation set forth in the attached English language abstract,
 - e. the concise explanation set forth below or on a separate sheet attached to the reference:
5. A foreign patent office search report (International Search Report) citing one or more of the references is enclosed.

Respectfully submitted,

Franz GRUS et al.

By:



Michael R. Davis

Registration No. 25,134

Attorney for Applicants

MRD/pth
Washington, D.C. 20006-1021
Telephone (202) 721-8200
Facsimile (202) 721-8250
April 15, 2005

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FORM PTO 1449 (modified)

ATTY DOCKET NO.
2005-0532ASERIAL NO.
NEWU.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: April 15, 2005

APPLICANT
Franz GRUS et al.FILING DATE
April 15, 2005

10/531385

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AB						

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AC	S.C. Joachim, et al., "Analysis of Autoantibody Repertoires in Patients with Glaucoma", Database Biosis 'Online! Biosciences Information Services, Philadelphia, PA, US; 2002, Database accession no. PREV200300155370 XP002269831 abstract & Arvo Annual Meeting Abstract Search and Program Planner, vol. 2002, page Abstract No. 3398 Annual Meeting of the Association for Research in Vision and Ophthalmology; Fort Lauderdale, Florida, USA; May 10, 2002.
	AD	M.B. Wax, "Is their a role for the immune system in glaucomatous optic neuropathy?", Current Opinion in Ophthalmology. United States, vol. 11, no. 2, pages 145-150, April 2000, XP009005674, ISSN: 1040-8738.
	AE	Gulgun Tezel et al., "Serum autoantibodies in optic nerve head glycosaminoglycans in patients with glaucoma", Archives of Ophthalmology, vol. 117, no. 7, pages 917-924, July 1999, XP009005677, ISSN: 0003-9950.
	AF	M.B. Wax et al., "Serum autoantibodies in patients with glaucoma", Journal of Glaucoma, United States, vol. 10, no. 5, Suppl. 1, pages S22-S24, October 2001, XP009005644, ISSN: 1057-0829.
	AG ✓	Christopher W. Zimmermann et al., "Multivariate statistical comparison of autoantibody-repertoires (Western blots by discriminant analysis", Electrophoresis, vol. 16, no. 6, pages 941-947, 1995, XP009005686, ISSN: 0173-0835.
	AH	F.H. Grus et al., "Diagnostic classification of autoantibody repertoires in endocrine ophthalmopathy using an artificial neural network", Ocular Immunology and Inflammation. Netherlands, vol. 6, no. 1, pages 43-50, March 1998, XP009005680, ISSN: 0927-3948.
	AI	F.H. Grus et al., "Analysis of the antibody repertoire in tears of dry-eye patients", Ophthalmologica, vol. 215, no. 6, pages 430-434, November 2001, XP009005650, ISSN: 0030-3755.
	AJ	Franz H. Grus et al., "Analysis of complex autoantibody repertoires by surface-enhanced laser desorption/ionization-time of flight mass spectrometry", Proteomics, vol. 3, no. 6, pages 957-961, June 2003, XP009025482, ISSN: 1615-9853.

EXAMINER

DATE CONSIDERED